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(54) **PRODUCTION AND USE OF A ZEOLITIC MATERIAL IN A PROCESS FOR THE CONVERSION OF OXYGENATES TO OLEFINS**

(71) Applicant: **BASF SE**, Ludwigshafen (DE)

(72) Inventors: **Manuela Gaab**, Heidelberg (DE); **Ulrich Müller**, Neustadt (DE); **Milan Kostur**, Mutterstadt (DE); **Kirsten Spannhoff**, Ludwigshafen (DE); **Kerem Bay**, Ludwigshafen (DE); **Andrei-Nicolae Parvulescu**, Ludwigshafen (DE)

(73) Assignee: **BASF SE**, Ludwigshafen (DE)

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(58) **Field of Classification Search**

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See application file for complete search history.

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Primary Examiner — David M Brunsman

(74) **Attorney, Agent, or Firm — Oblon, McClelland,
Maier & Neustadt, L.L.P.**

(57) **ABSTRACT**

Described is a process for the production of a zeolitic material having an MFI, MEL, and/or MWW-type framework structure comprising YO_2 and X_2O_3 . The process comprises (1) preparing a mixture comprising one or more sources for YO_2 , one or more sources for X_2O_3 , and one or more solvents; (2) crystallizing the mixture obtained in step (1) to obtain a zeolitic material having an MFI, MEL and/or MWW-type framework structure; and (3) impregnating the zeolitic material obtained in step (2) with one or more elements selected from the group of alkaline earth metals. Y is a tetravalent element, and X is a trivalent element. The mixture crystallized in step (2) contains 3 wt.-% or less of one or more elements M based on 100 wt.% of YO_2 , wherein M stands for sodium.